



**Annual**

**9222**

**Administration Report**

**of the**

**Civil Veterinary Department**

**H.E.H. the Nizam's Government**

**for the year**

**1348 Fasli**

**(6th October 1938 to 5th October 1939)**

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**Hyderabad-Deccan  
Government Central Press  
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**Annual Administration Report of the Civil Veterinary Department, H.E.H. the Nizam's Government, for the year 1348 Fasli (6th October 1938 to 5th October 1939).**

I held charge of the department throughout the year and was on tour for 109 days travelling 12,872 miles by rail and 1,830 by road, visiting 6 hospitals and 6 stallion stands in 11 districts. I visited the Hingoli Stud Farm thrice and the Himayatsagar Dairy Farm 20 times and inspected the office of the Veterinary Inspector and the Deputy Superintendent, Aurangabad Circle once; visited the hospitals and dispensaries in Hyderabad many times.

I attended the Horse and Cattle Show Malegaon, the Cattle Show Udgir, the S.P.C.A. Animal Show Hyderabad, Health Week Show Patancheru, Poultry Show Hyderabad, Agricultural Demonstration Raichur; and served on the Nizamsagar Irrigation Project Development Board, the Hyderabad S.P.C.A. and the Horticultural Show and Farming Association Committees; and the divisional Rural Reconstruction Conference at Gulbarga.

I visited Bombay and purchased a T. B. stallion for the Hingoli Stud Farm. I attended the All-India Cattle Show, Delhi, and acted as a Judge in some classes. I also attended the meetings of the Advisory Board and the Governing Body of the Imperial Council of Agricultural Research held at Delhi and Simla and the meeting of the Animal Husbandry Wing of the Board of Agriculture and Animal Husbandry.

**Circle Officers.**

Hyderabad Circle comprises of (1) Hyderabad City and suburbs (2) Atraf-e-Balda (3) Bagath (4) Bidar (5) Gulbarga (6) Osmanabad (7) Raichur and (8) Mahbubnagar districts.

Mr. Mohammad Aziz Hasan continued to be in charge of this circle during the year. He was on tour for 120 days travelling 5,665 miles by rail and 2,260 by road. He visited 67 villages, inspected 23 hospitals and dispensaries including subordinate offices, 5 stallion

stands, 16 Government Bulls, Narsingee and Yerragadda Cattle Markets, checked the field work of subordinates in 16 villages, attended five outbreaks and conducted 8 Cattle Shows in his jurisdiction. He also attended the Malegaon Horse and Cattle Show, All India Cattle Show Delhi, Animal Show organised by the S.P.C.A. and Poultry Show organized by the Agricultural Department at Hyderabad, Agricultural Demonstration at Raichur and Rural Reconstruction Conference at Gulbarga. He delivered lectures as usual in Cattle Shows regarding preventive inoculations and cattle improvement.

Northern Circle consists of Aurangabad, Parbhani, Nander, Nizamabad and Bhir districts. Mr. N. D. Dasan was in charge of this circle throughout the year except for a period of three months and 22 days from 9th Amaradad to 30th Ahan, when he was on privilege leave. Mr. Aminuddin, Veterinary Inspector of the Aurangabad district, officiated for him.

Mr. N. D. Dasan was on tour for 101 days travelling 612 miles by rail and 2,100 by road. He visited 173 villages, inspected 14 subordinate offices and dispensaries and 11 stallion and bull stands. He also attended the Horse and Cattle Shows of Malegaon, Parli, Khuldabad and the Agricultural Demonstration at Bhir, 11 Rural Reconstruction Centres in Aurangabad and Bhir districts and took part in the Health Week Exhibition organized by the Medical Department at Jalna.

Mr. Mohammad Aminuddin as officiating Deputy Superintendent spent 67 days on tour travelling 1,523 miles by rail and 902 by road. He visited 61 villages, inspected 16 subordinate dispensaries and 16 stallion and bull stands.

The Southern Circle consists of Warangal, Karimnagar, Adilabad, Nalgonda and Medak districts. Mr. M. Mahmoodullah continued to be in charge of this circle throughout the year. He was on tour for 165 days travelling 917 miles by rail and 3,124 by road. He visited 88 villages, 30 subordinate offices and dispensaries, attended 6 Cattle Shows held in his circle. He also attended four inoculation camps in 9 villages and supervised the work of his subordinates. Of these, he organized three camps.

### **Veterinary Disease Investigation Officer.**

Mr. M. R. Mahajan continued to work as Veterinary Disease Investigation Officer for Hyderabad State during the year except from 3rd to 20th Aban when he was on privilege leave. He was on tour for 129 days travelling 6,222 miles by rail and 3,080 by road.

He attended the 26th Session of the Indian Science Congress Association held at Lahore and read a paper on the importance and control of fresh water snails in Veterinary Research. He also attended the Animal Husbandry Wing Meeting of the Board of Agriculture and Animal Husbandry held at New Delhi, Poultry and the S.P.C.A. shows held at Hyderabad and the Cattle Show at Banswada in the Nizamsagar Canal Area in connection with propaganda against Liver Fluke Infestation.

He continued to supervise the work of the Laboratory Assistant.

### **Investigation of Diseases.**

539 suspected cases of Trypanosomiasis were examined of which 39 were found positive. These occurred in the districts of Parbhani, Nizamabad, Medak, Hyderabad, Atraf-e-Balda, Warangal and Karimnagar.

Equine Surra broke out during the year at Hingoli and the villages roundabout. In view of the valuable stock at the Government Farm, he was deputed to take control measures. Blood smears of over 250 equines from the Stud and the villages roundabout were taken and examined. 12 cases that were found positive were treated with single intravenous injections of Naganol. Further spread was controlled and the Government stock remained free.

After three months, however, one case occurred in a gelding at the Hingoli Stud and one mare showed what looked like Crithidia Laboni in blood.

Systematic examination of the Government stock was carried out again and protective inoculation with Naganol was administered to the whole stock. Action was also taken to control the breeding of tabanidae by clearing and burning of the bushes in the two small water



coases that pass through the stud farm. These measures were promptly applied and no fresh cases occurred.

After seven months the same gelding again showed Trypanosomes. Detail investigation revealed that this was a mere relapse and not a fresh infection.

Bovine Surra outbreaks occurred in the villages of Vemba, Shikarpur, Dasaripally and Lachmipally of the Mahbubnagar district and that of Kallur in the Nizamabad district were rather peculiar and interesting. The symptoms were fever, off-feed, constipation, unsteady gait, blindness, circling, at times head pressed against a wall, progressive emaciation, falling down, semi-comatose condition followed by death. Duration of the disease being from 8 days to a month or even more. Microscopic examination revealed *trypanosoma evansi*. These outbreaks occurred in the so called surra season with tabanus, lyperosia and exigua flies being in plentiful. Naganol gave good results in treatment. The disease resembled "Bhora" which is reported from the Central Provinces. The outbreaks appeared to be those of subacute or chronic forms of bovine surra. Further investigation will be conducted.

A cow showed symptoms of anaphylactic shock following intravenous injections of anti-haemorrhagic septicaemia and anti-anthrax sera. These disappeared after five hours but was followed by a high temperature the next morning. Blood smear examination revealed Trypanosomes and the case was controlled with Naganol.

**Canine Surra.**—Surra in a dog was diagnosed for the first time in Hyderabad State and was confirmed by the Imperial Veterinary Research Institute, Mukteswar. The symptoms noted were fever, progressive emaciation, partial blindness and unsteady gait, etc. This was successfully treated with a single injection of 5 c.c. of a 5 per cent. solution Naganol given intravenously.

**Trypanosoma Theileria.**—This was confirmed in a bull-calf from Mahbubnagar district.

Double intradermal tuberculin test was applied to the animals of the Dairy Farm, Himayatsagar for the diagnosis of tuberculosis and Johne's diseases using concentrated tuberculin and avian tuberculin. The pre-

vious test was carried out in the year 1346 F. and the positive reactors were removed. It is gratifying to note that no further case was detected suffering from either of the two diseases during the present test. A bullock of the Main Agricultural Farm, Hamayatsagar died after chronic and persistent diarrhoea. Post-mortem examination revealed liver fluke infection and post-mortem changes indicating Johne's disease. The Imperial Veterinary Research Institute, Mukteswar, confirmed the diagnosis of Johne's disease.

**Liver Fluke.**—Three hundred and seventy-two cases were examined and 111 were found positive for the infection of liver fluke. A scheme put up to control and eradicate liver fluke infestation in the Nizamsagar Project Area is under the consideration of Government.

236 animals were examined at the Dairy Farm, Hamayatsagar, of which 17 were positive for liver fluke. Treatment with Igitol (Bayer) was efficacious.

As a result of the recommendation of the Veterinary Department at the Development Board Nizamsagar, the district Revenue Authorities carried out with the co-operation of villagers anti-snail operations for the first time in the Nizamsagar canal area at Bodhan, Banswada, Nizamabad Tehsils and cash prizes were allotted by the Veterinary Department in this connection. *Limnaea acuminata* was seen in abundance in Banswada taluq, and it was observed that the intensity of the snails varied with water-logging in the area. The operation regarding snail destruction is progressing satisfactorily.

**Osteomalacia.**—Kopnur, a village in Jatpol Samasthan had a large number of cattle suffering from this trouble. Samples of groundnut hay from the villages of Kopnur, Bukkapur, Amdalpad and Tipaipalli were sent to the Imperial Veterinary Research Institute, Mukteswar, for examination. The results obtained indicate that the hay from the non-infected village Tipaipalli is normal in calcium content while in the others it is low, and the phosphorus content of all the four samples was found to be low. Soil examination showed a low phosphorus content. The calcium content of all the soil samples was normal. Examination of water is being taken up.

A suggestion was made during the year by the Director of Veterinary Services, Madras, based on the work done at the King's Institute, Guindy (Madras) that the condition may be fluorine poisoning due to the presence of fluorides in the drinking water. With this idea in view, samples of water from the villages were forwarded for analyses. Endemic fluorosis was noticed in children and a few adults of this village.

The Director of King's Institute, Guindy (Madras) and the Director of Public Health, Madras who had recently made a critical study of the condition of endemic Fluorosis in the field of then Presidency, are of opinion that the results of the survey so far made appear to indicate that the incidence and severity of bone disease bears some relation to the nutrition and economic conditions as also to fluorides.

**Theileriasis. Theileria Annulata.**—Two cases of this disease occurred amongst calves born at the Cattle Farm, Hingoli. The examination of the blood smears showed a heavy infection.

No warbles were noticed in the Dominions. This was also the experience of the Assistant Entomologist of the Imperial Veterinary Research Institute, Mukteswar, engaged in the investigation of warbles who had visited Hyderabad during the year under report.

**Pneumonia in Calves.**—Material collected on post-mortem examination of a bull-calf at the Cattle Farm, Hingoli, revealed on histological examination pneumonia with extensive necrotic areas (abscesses) surrounded by giant cell formation. Very numerous clusters of diptheroids were seen in the necrotic areas.

**Circling Disease of Sheep.**—Circling disease in sheep is a seasonal occurrence associated with the rainy season. As there was a general shortage of rains during the year under report, no outbreak of this disease was reported.

**Microscopic Diagnosis.**—A total number of 2,302 specimens were examined in the laboratory of which 588 were found positive for various diseases.

29 pathological specimens were collected and preserved during the year.

**Education and Training.**—No scholarships were awarded during the year. One Veterinary Inspector and one Assistant Veterinary Surgeon were deputed to Madras Veterinary College for Post-Graduate Training.

### Contagious Diseases.

**Table No. I.**—8,645 deaths from contagious diseases and 3,931 from other causes, as per details below, were reported during the year against 10,176 and 3,348 respectively in the year preceding.

Equines		1947 F	1948 F
1. Surra ..		20	26
2. Dourine .. .. .		—	—
3. Other contagious and parasitic diseases		2	15
Total		22	41

Cattle		1947 F	1948 F
1. Rinderpest .. .. .		1,407	938
2. Haemorrhagic Septicaemia .. .. .		2,138	840
3. Foot and mouth .. .. .		456	377
4. Black quarter .. .. .		1,217	286
5. Anthrax .. .. .		107	208
6. Surra .. .. .		15	30
7. Other contagious and parasitic diseases		224	1,214
Total		5,564	3,893

Buffaloes		1947 F	1948 F.
1. Rinderpest .. .. .		507	2,022
2. Haemorrhagic Septicaemia .. .. .		2,442	791
3. Foot and mouth .. .. .		63	163
4. Black quarter .. .. .		299	97
5. Anthrax .. .. .		33	108
6. Surra .. .. .		25	25
7. Other contagious and parasitic diseases		207	267
Total		3,686	4,373

Sheep		1947 F.	1948 F.
1	Anthrax	33	
2	Sheep-pox	55	4
3	Foot and mouth	90	12
4	Scab	20	..
5	Pleuro-pneumonia	..	1
6	Other contagious and parasitic diseases	594	240
Total		792	257
Goats		1947 F.	1948 F.
1	Anthrax	6	..
2	Sheep-pox	..	..
3	Pleuro-pneumonia	29	7
4	Foot and mouth	32	..
5	Other contagious and parasitic diseases	16	12
Total		83	19
Dogs		1947 F.	1948 F.
1.	Rabies	5	6
2	Other contagious and parasitic diseases	74	56
Total		79	62
Other causes in all		8,848	8,981

653 outbreaks of contagious diseases were reported during the year. Of these 19 were of Surra, 139 of Rinderpest, 222 of Foot and Mouth, 170 of Haemorrhagic Septicaemia, 26 of Anthrax, 41 of Black Quarter and 36 of other diseases.

Total number of inoculations during the year was 1,81,944 compared with 2,45,458 in the year preceding. The fall in the number of inoculations was due to a smaller number of outbreaks reported and also as reported last year the protection of cattle against Rinderpest in non-infected areas was to an extent restricted. The number of Serum-simultaneous-inoculations with Goat virus and Goat-virus-alone-vaccinations during the year was 688 and 709 respectively. The number of Serum simultaneous-inoculations with Tissue-vaccine and Tissue-vaccine-alone-vaccination was 25,668 and 98,416 respectively.

Details of Serum-simultaneous-inoculations with Goat-virus-alone-vaccination and Serum-simultaneous-inoculations with Tissue-vaccine-alone-vaccination are shown below:—

	Hyder- abad Circle	Northern Circle	Southern Circle
1. Number of outbreaks at which inoculations undertaken .	66	34	171
2. Total number of inoculations	40,464	23,714	1,17,766
3. Serum simultaneous with goat-virus .	12		671
4. Goat-virus-alone vaccination .	40		669
5. S.S.I. with T.V. . . . .	2,855	1,952	20,861
6. T.V. alone V. . . . .	24,218	16,816	52,282

**Hospitals & Dispensaries:**—The number of animals treated during the year at the Veterinary Hospitals, dispensaries, and by officials on tour was 4,39,275 compared with 4,14,356 and 3,92,070 in 1347 F. and 1346 F. respectively. The increase in the number of cases treated is due to the opening of four new stationary hospitals. 7 animals—one bovine, one equine and five canine were treated with anti-rabic vaccine in the Warangal and Aurangabad veterinary hospitals.

The work turned out at the main Veterinary Hospital, Hyderabad is summarised below:—

The number of animals treated during the year was 22,375 and the number of castrations performed 37.

1183 operations were performed of which 327 were major and 856 minor.

18 cases of distemper in canine were treated with Bayer's Omnadin and anti-serum. 6 cases of canine piroplasmiasis were also treated, some with Trypan Blue and the others with Acaprin, the latter gave better results.

17 post-mortem examinations were conducted during the year.

No new building was constructed during the year. The number of veterinary dispensaries housed in rented buildings remained the same as last year. Government have sanctioned funds for building 9 district veterinary hospitals and execution of the work will be taken up.

**Table No. XII.**—The number of stallions at district stands and at Hingoli Stud was 30 at the close of the year compared with 29 at the close of the year preceding.

Two stallions were destroyed due to old age. Two colts were brought on the register of stallions and one stallion (Lord Chancellor) was purchased at a cost of B.G. Rs. 3,000 from Bombay for the Stud Farm, Hingoli.

**Table No. XIII.**—The number of stallion stands at end of the year remained the same as last year. The number of coverings during the year was 554 compared with 558 in the previous year. The number of stallions at work during the year was 31 against 37 in 1847 F. The average number of mares covered per stallion was 21.3 compared with 24.2 in the year before.

**Table VI (a).**—At the close of the year 1347 F. there were 56 breeding bulls on the register. During the year under report 4 died, 1 was killed by a tiger, 1 destroyed, 8 castrated for farm work and 23 were brought on the register. Thus at the end of the year there were 65 breeding bulls on the register.

**Table No. V.**—During the year under report 44,090 castrations were performed against 39,284 in the previous year.

**Table VII.**—23 horse and cattle shows were held during the year. The shows of Ramappa, Sinoor, Dharampuri, Mupertota were discontinued as these places were not suitable for conducting cattle shows. Jidkal Cattle Show which was not held last year owing to an outbreak of cholera was held this year. Prizes distributed at the shows amounted to Rs. 2,205 in cash and 8,015 tolas of silver bangles besides 5 silver medals weighing nearly 5 tolas each.

It is gratifying to note that Wanparthi, Amarchintia, Gadwal and Helli Samasthan contributed prizes in cash and in the shape of silver bangles towards Kurmuri, Rajanagar and Kanakgiri shows.

Kupal Jagir contributed prizes in the Hulgi Show.

The Jagirdar Sahib of Pallapahad contributed prizes in the Pallapahad Show, Raichur district.

3 bulls and 2 cows belonging to private owners of Udgir taluqa and 2 bulls, 2 cows and 3 heifers from the Government Cattle Breeding Farm, Hingoli were exhibited at the Second All-India Cattle Show, Delhi at the expense of Government.

The following animals got prizes in the breed class for the Deoni animals:—

1. Tanzeem	(Govt. Bull)	First
2. Belkuni	(Private Bull)	Second
3. Prakash	(Govt. Bull)	Third

As per rules of the Show cash prizes were not given to Government animal but the animal that stood second was given this prize. The second prize in the bull class of Rs. 50 was given to a privately bred bull.

A cow bred at the Hingoli Farm won a cup for the best cow shown in the class for best milch breeds in Southern India.

### Sheep and Goats.

Experimental work in connection with the breeding of Bikaner Sheep was continued at the Hingoli Farm.

There were 38 deaths among the herd due to severe parasitic infection.

### Cattle Breeding.

8 Government bulls of Amruthmahal breed were posted free in Amrabad taluqa, of which one was killed by a tiger. 99 calves were born during the year as compared with 108 in the year preceding.

Out of the 15 breeding bulls posted in the Nizam-sagar Development area, 2 died. 140 cows were served and 31 calves were born.

4 breeding bulls are posted at Gutti, Koadli, Thondar and Udgir proper in Udgir taluqa. 128 cows were served as compared with 44 of the last year. The question of distributing more bulls in Dongar Patti areas of Udgir taluqa is engaging the attention of the department.



Out of the 4 breeding bulls posted last year in Aurangabad district, one was destroyed due to paralysis.

One bull has been supplied this year for cattle breeding in Kannad taluqa.

Two breeding bulls were posted in Medak taluqa, and they covered 32 cows.

There were 2 breeding bulls on register during the year under report in Warangal district. 30 cows were covered.

### **Virus Production.**

During the year under report 1,879 c.c. of blood virus and 3,80,500 doses of tissue vaccine were produced at the Virus Depot.

The whole quantity of virus produced and 1,92,800 doses of tissue vaccine were issued. The cost of production of goat-virus and tissue vaccine amounted to Rs. 1,280-14-6.

### **Medical Stores.**

Annual and emergent indents received at the Medical Stores during the year under report were 1,095 and the following biological products were issued from the stores during the year:—

1. Anti-Rinderpest Serum	..	88,450 doses.
2. Haemorrhagic Septicaemia Serum	..	42,280 doses.
3. Haemorrhagic Septicaemia Vaccine	..	41,200 doses.
4. Anti-Black Quarter Serum	..	11,560 doses.
5. Do. do. Bacterin	..	10,650 doses.
6. Anti-Anthrax Serum	..	7,160 doses.
7. Fowl Cholera Serum	..	4,585 doses.
8. Fowl Cholera Vaccine	..	4,055 doses.

### **Library.**

25 books were added to the Library at the Head Office. The total number of books now is 419. 72 books were issued to the officials of the department.

The department gets 8 Indian and 14 foreign professional periodicals. In addition, the circle officers are supplied with some important journals for their use and circulation in their jurisdiction.

### Rural Development.

The Assistant Veterinary Surgeon, Pattancheru, carried out his routine rural uplift work. He visited all the 14 villages under the centre and gave advice on matters relating to live-stock.

A batch of 35 head-masters from primary schools and a batch of students from Himayatsagar Farm who were deputed here for training, received lectures on veterinary matters.

In the Health Week at Pattancheru, Medak, and Khammam, the department held Cattle Shows, delivered lectures on veterinary subjects. The veterinary officials of all the districts visited the villages selected for rural uplift work several times during the year and suggested to villagers measures for improvement of their cattle stock, maintenance of cattle stables under hygienic conditions and prevention of diseases.

A scheme for departmental propaganda was sanctioned during the year and others continued to be under the consideration of Government.

### Establishment.

The strength of the cadre of the department stood as below at the end of the year:—

	Sanctioned	Vacant.
Deputy Superintendents	5	..
Cattle Section Officer	1	..
Dairy Assistant	1	..
Veterinary Inspectors	16	..
Assistant Veterinary Surgeons	46	2
Veterinary Assistants	38	..
Salutry Jamedars	17	..
Salutries	15	..

### Himayatsagar Dairy Farm.

Superintendent	1	..
Assistant Superintendent	1	1
Field man	1	..
Mechanic	1	..
	143	3

Mr. Abu Idin Ahmed, Assistant Veterinary Surgeon, delivered again, during the year, a series of lectures on "First Aid for Horse" to the students of the Police Training School, Hyderabad. On request, the officials of the department helped the District Local Boards, Warangal, Gulbarga, and Raichur in the inspection of ponies used for hackney carriages. It is hoped other districts will also do so.

### **S. P. C. A.**

Active work in this connection is reported from many places. Officials of the department have been co-operating with this organization whenever their services are required.

### **General Remarks.**

It is with very great pleasure that I record my appreciation of the very valuable work Mr. Syed Ruknuddin, the Registrar, has done during the year. The work of the office staff and the medical stores including the Virus Depot continued to be generally very satisfactory.

Mr. Syed Abdul Jabbar, Deputy Superintendent attached to Head Office has my thanks for his very satisfactory work.

I wish to commend the following officers and thank them for their work:—

1. Mr. Md. Aziz Hasan.
2. " Mahamoodullah.
3. " N. D. Dasan.

The work of the staff in the district has been satisfactory generally, and the standard of work has improved.

Mr. M. R. Mahajan, Veterinary Investigation Officer, put in most useful service and has fully earned my thanks.

(Sd.) B. K. BADAMI,  
Director, Veterinary Department.

### **Stud and Fodder Farm, Hingoli.**

The rainfall during the year was 23 inches, 61 cents, against 50 inches, 7 cents in the year preceding which was very untunely and very insufficient almost threatening to be a famine year.

Cash receipts during the year amounted to O.S. Rs. 11,190-10-11.

12,81,728 lbs. of hay, 56,376 lbs. of kadbi, and 1,35,589 lbs. of green grass were harvested during the year.

The following are a few of the diseases that occurred among the live-stock during the year:—

worms, debility, sprain, splints, diarrhoea, strongylosis, colic, indigestion, conjunctivitis, tympanites, wounds, piroplmosis, and one case of Surra.

A few deaths amongst bovines of the farm were due to strongylosis, T. Mutans, snake-bite, pneumonia, navel-ill, and gastro-enteritis.

The average number of in and outpatients treated at the Stud Farm, Hingoli, during the year under report, was 36.9 against 23.3 during the previous year.

The successful coverings were 87.7% to mares covered or 84.3% for the total strength of the mares. The actual foalings during the year were 45.8% to mares covered.

Two colts were drafted as stallions and four fillies as brood mares. Five heifers were taken in the list of cows and 15 bulls were drafted as breeding bulls during the year under report.

The Deoni herd at the end of the year stood as follows:—

Cows	..	50
Bulls	..	13
Young stock	..	91

The yield of milk was 58,546 pounds as against 83,701½. The fall in the yield of milk is due to drought, want of sufficient rains and grazing, and less number of cows in milk. 25,370½ lbs. of whole milk were used for separation, 24,088 lbs. were fed to the calves and 6,701½ lbs. were sold to the customers.

Milk products as butter and ghee were marketed.

The distinguished visitors to the Stud Farm, Hingoli during the year were:—

1. Mr. R. M. Crofton, I.C.S., Hon'ble Revenue Member (acting).
2. Mr. W. V. Grigson, I.C.S., Director-General and Secretary, Revenue Department.
3. Nawab Rais Jung Bahadur, Secretary, Commerce and Industries Department.
4. The Subedar Sahib, Aurangabad.
5. Mr. K. P. R. Kartha, Statistician, Animal Husbandry Section of the Imperial Council of Agricultural Research—to collect data regarding milk recording, etc.

Mr. C. R. Kathirvelu continued to work as Deputy Superintendent, Stud Farm, Hingoli, during the year except for one month and a half when he was on privilege leave from 2-8-48 F. to 1-9-48 F. and 9th to 23rd Amardad 1348 F. During his absence on leave Mr. C. V. G. Pillai, Veterinary Inspector, officiated for him. The work of the Deputy Superintendent and that of the staff was very satisfactory.

(Sd.) B. K. BADAMI,  
Director, Veterinary Department.

### Cattle Breeding Farm and Dairy, Himayatsagar.

Mr. V. S. Ram Rao continued to be in charge of the farm during the year. He toured for 28 days and travelled 600 miles by road.

The rainfall during the year was 20.72 inches against 21.97 inches in the year preceding.

There were 25 births in Krishna-Valley and 33 in Malvi cattle, and seven in buffalo herd during the year. 10 deaths occurred among the stock due to diarrhoea, chronic encephalomyelitis, weak and undeveloped calving at birth and pneumonia.

Seven Krishna-Valley and 1 Malvi bulls were castrated being not up to the standard. 298 animals were treated during the year.

During the year under report 6 Krishna-Valley, 9 Malvi and 3 she-buffaloes, home-bred heifers, were transferred to the adult stock. 8 Krishna-Valley and two Malvi bull calves were transferred to the working animals. Four bulls were sent out to the districts as breeding bulls.

The stock at the end of the year was as below:—

Krishna-Valley cows	..	..	37
Malvi cows	..	..	37
Murrah buffaloes	..	..	9
Young stock	..	..	190
			<hr/>
			273
			<hr/>

The work of demonstrating clean milk production, handling and distribution of milk was continued as before. A change in the system of milk distribution was effected, i.e., two centres for distribution of milk were opened at Pathargati and Narayanguda Veterinary Dispensaries. Milk from the farm was brought direct to these centres in milk van and from there door-to-door delivery was made by delivery boys on special bicycles purchased for this purpose. This has resulted in appreciable reduction in the expenditure.

80,728 lbs. of cows' and 10,718 lbs. of buffaloes' milk were produced during the year, of which 22,470 lbs. of cows' and 1,820½ lbs. of buffaloes' milk were sold, and 18,573½ lbs. were separated.

Cash receipts during the year amounted to Rs. 8,857-12-6.

15,15,706 lbs. of green fodder were harvested during the year, out of this 59,142 lbs. were ensilaged and the balance 14,56,564 lbs. were fed to the stock.

Two pits which were filled in 1347 F. and partly in 1348 F. were opened during the year and fed to the stock.

During the year steps were taken to improve the grazing area by not removing the droppings. The grass in two paddocks was allowed to run into seed and was not harvested and the cattle were sent out for grazing in this area only after seeding.

A kancha in Bundlaguda was taken on lease and 5,31,638 lbs. of hay were harvested. In addition to this 1,49,705 lbs. of hay were purchased. Dry cattle were sent there for grazing.

As before, manufacturing compost by Indore method was carried out during the year. 52 pits of compost were manufactured for manure. All the liquid manure and washings from yard and dairy were utilized for irrigating the plot under guinea-grass in dry area.

463 visitors visited the farm during the year. A few of the distinguished visitors were:—

1. Dr. Burns, Agricultural Expert.
2. Mrs. Burns.
3. Mr. W. R. Aykroyd,  
Director of Nutritional Research.
4. Dr. Mrs. D. C. Wilson, of the Royal Society  
of Nutrition Research, England.

The work of the Superintendent, Dairy Farm and that of his staff was generally satisfactory.

(Sd.) B. K. BADAMI,  
Director, Veterinary Department.

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## **STATEMENTS.**

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TABLE No 1.  
 Distribution of receipts from commercial business and other sources among five stock during the year 1944. Each

Statement of mortality from contagious diseases and other causes among live stock during the year 1947																															
District	Horsemen										CATTLE										BL. DEALERS										
	Horsemen										CATTLE										BL. DEALERS										
	Chandpur	Baran	Meerut	Alwar	Other cantons	Bl. Dealers	Meerut	Alwar	Other cantons	Bl. Dealers	Chandpur	Baran	Meerut	Alwar	Other cantons	Bl. Dealers	Meerut	Alwar	Other cantons	Bl. Dealers	Chandpur	Baran	Meerut	Alwar	Other cantons	Bl. Dealers	Chandpur	Baran	Meerut	Alwar	Other cantons
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
2. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
3. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
4. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
5. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
6. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
7. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
8. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
9. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
10. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
11. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
12. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
13. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
14. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
15. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
16. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
17. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
18. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
19. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
20. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
21. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
22. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
23. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
24. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
25. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
26. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
27. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
28. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
29. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
30. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
31. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
32. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
33. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
34. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
35. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
36. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
37. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
38. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
39. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
40. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
41. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
42. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
43. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
44. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
45. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
46. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
47. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
48. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
49. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
50. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
51. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
52. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
53. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
54. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
55. Meerut	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			



## TABLE No II

**Summary of results of prescriptive innovations during the year 1944-7 and:**

Sl. No.	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No of outbreaks in which inoculation was undertaken		No of villages affected in these outbreaks		Human population of affected villages		No of animals which tested in cover of outbreak		No of animals inoculated		No. of animals which were free of the disease	
				5	6	7	8	9	10	11	12	13	14	15	16
Hemorrhagic Septicæmia	Rinderpest	T.V. A.V.	V.S., Hyd., Dn.	0	0	0	0	0	0	0	0	0	0	0	
		S. A.	M.S.I., Bangalore.	1	1	1	1	1	1	1	1	1	1	1	
		S.S. with T.V.	V.S., Hyd. Dn.	..	..	..	..	..	..	..	..	..	..	..	
		T.V.A.V.	do	..	..	..	..	..	..	..	..	..	..	..	
		S.S. with T.V.	do	..	..	..	..	..	..	..	..	..	..	..	
		Sero Vaccine	M.S.I., Bangalore.	2	2	2	1,000	14	..	..	..	..	..	..	
Total		..	..	13	12	4,016	89	..	..	8,867	..	..	..	..	

Particular.	Rinderpest	S.A.	M.S.I., Banga do	1	1	2,050	35	..	160	..	..
	H.E.	S.A.	..	3	4	2,659	24		259		..
	Fowl Cholera	Sero Vaccine	..	2		63		7	..	59	..
	Surra	Intravenous	..	2		..			101		..
	Rinderpest	T.V.A.V	..			..			1,227		..
			V.S., Hyd Dn								
			Total	8	5	5,772	59		2,246	101	59
Kingsli Stud.	Rinderpest	T.V.A.V	V.S., Hyd Dn						160		26
	do	do	do								
	H.S.	S.A.	M.S.I., Banga lore						165		
	H.S.	S & V	do						80		
	Tuberculosis	Intradermal T.B. Test	I.V.R.I., Muk te-ar						9		
	Surra	Intravenous	Bayer						7	164	1
	Tetanus	S.A.	do						141		
	Strangles	V.A.	do						40	75	
			Total						411	340	26
			V.S., Hyd Dn						1,040		
Bhur	Rinderpest	T.V.A.V	do						140		
		S.S. with T.V.									
	Fowl Cholera	S. & V.	M.S.I., Banga lore	1	1	4,746		78	232		..
	Black Quarter	S. & B.	do	2	2	1,740	3		794		..
			Total	3	3	6,486	3	78	2,023	232	..

TABLE No II

Summary of results of preventive inoculations during the year 1934-35 (contd.)

District	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No. of out-lets in which inoculations were undertaken	No. of villages in which inoculations were undertaken	Total population of affected villages	No. of animals whose infection was traced in course of outbreak					Number of animals inoculated					Total
							Horses	Equines	Cattle	Goats	Pigs	Horses	Equines	Cattle	Goats	Pigs	
Mandla	Rinderpest	S.A.	M.S.I. Bangalore	1	3	3,484	68					202					3
												2,668					..
		T.V. A.V.	V.S., Hyd.-Dn	1	3	3,484	68					2,070					3
				Total													
Mandla	Rinderpest	T.V. A.V.	V.S., Hyd.-Dn	..	..							5,029					..
				10	11	4,654	65					1,470					..
		S.A.	M.S.I., Bangalore	..	..												..
				Total	10	11	4,654	65				6,499					..
Mandla	Mandla District	S.A.	Mandla District	34	34	25,031	284	80	22,016	481	317	3	1				..
				Total Northern Circle.													..

Disease	Rinderpest	S.A.	M.S.I., Banga- lore	1	1	14	4	..	..	4
		S.A.	do	..	..	..	..	704		
H. S.		V.A.	do	7	22	12,600	131	174	1	
		Sero Vaccine	do	8	..	..	..	1,943		
Anthrax		S.A.	do	1	1	270	12	2.38	2	
Fowl Cholera		S.A.	do	..	..	..	98	263		45
		Sero Vaccine	do	4	8	..	..	157	..	..
Fowl Pox		Vaccination	I.V.R.I., Muk- tesar.	1	1	..	13	191	..	..
Isoculations in clean areas										
Rinderpest		S.A.	M.S.I., Banga- lore	..	..	..	..	21		
		S.S. with T.V.	do	..	..	..	..	1,000		
		do	V. S., Hyd	..	..	..	..	..	..	..
		T. V. A. V.	do	..	..	..	..	6,492		
		S. A.	M.S.I., Banga lore	..	..	..	..	108		
		S. V.	do	..	..	..	..	30		
Fowl Cholera		Vaccine	I.V.R.I., Muktesar	..	..	..	..	115		
Fowl Pox		V.A.	do	..	..	..	..	17		
			Total	22	30	13,212	130	11,554	6	29
Nalgonda		S. & V	M.S.I., Banga lore	14	34	31,711	573	6,521	..	..
Septicemia			do	5	14	14,880	190	2,151	..	..
Black quarter		S & B		..	..	..	..	..	..	..



Winged	Kind of pest	S.A.	M.S.I., Bangalore.					
	Black quarter	S.S. with G.V.	V.S., Hyd.-Dn.	21	24	19,363	510	2,346
		G.V.A.V.	do	..	..	..	..	331
		T.V.A.V.	do	..	..	..	..	5,761
		S.S.	M.S.I., Bangalore.	7	10	13,451	141	3,401
		S.A.	do	3	9	7,024	95	1,743
		S. Agg. & filtr	do	3	4	3,000	12	1,764
	Inoculation in clean areas							
		S.S. with G.V.	V.S., Hyd.-Dn.	..	..	..	..	..
		S.S. with T.V.	do	..	..	..	..	3,400
		G.V.A.V.	do	..	..	..	..	334
		T.V.A.V.	do	..	..	..	..	10,155
		S.S.	M.S.I., Bangalore.	..	..	..	..	2,115
		V.A.	do	..	..	..	..	2,800
		S.A.	do	..	..	..	..	1,000
		Fowl cholera	do	..	..	..	..	92
		Total		34	51	4,146	735	35,020
		M.S.I., Bangalore		5	..	27,244	1,021	1,011
		do		..	..	..	..	2,541



TABLE No II

Summary of results of procedures adopted during the year 1934-35

District	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No of outbreaks in which inoculation was undertaken	No of villages affected in the outbreak	Human population of affected villages	No. of animals which died in course of outbreak				No. of animals which died in course of outbreak				No. of animals which died in course of outbreak			
							Horses	Equines	Others	Horses	Equines	Others	Horses	Equines	Others	Horses	Equines	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Madhya Pradesh	Rinderpest	S.S. with G.V. ...	V.S. Hyd 1bn	..	..	..	..	..	..	173	..	..	..	..	..	..	..	..
		S.S. with T.V. ...	do	..	..	..	..	..	..	5,491	..	..	..	..	..	..	..	..
		T.V.A.V.	do	..	..	..	..	..	..	3,487	..	..	..	..	..	..	..	..
		S.A.	M.S.I., Banga-lore.	13	23	20,276	203	..	..	279	..	..	..	..	..	..	..	..
		V.A.	do	..	..	..	..	..	..	4,577	..	..	..	..	..	..	..	..
		S. & V.	do	..	..	..	..	..	..	424	..	..	..	..	..	..	..	..
	Anthrax	S.A.	do	2	4	6,100	52	..	..	539	..	..	..	..	..	..	..	..
	Black Quarter	S.A.	do	1	5	3,988	21	..	..	500	..	..	..	..	..	..	..	..
		Inoculations in clean areas																
	Rinderpest	S.S. with T.V. ...	V.S., Hyd.-Dn.	..	..	..	..	..	..	1,711	..	..	..	..	..	..	..	..

	T.V.A.V.	do	M.S.L., Bangalore	do	S.A.	0.447
Hemorrhagic Septicemia.	S.A.					980
	V.A.					4,030
	S.V.					836
Black Quarter	Bacterin					422
Rabies	V.A.		Pasteur Institute's Compound			70
Fowl Cholera	S.A.		M.S.L., Bangalore			79
	V.A.		do			86
Distemper	S.A.		Bayer			8
	Total	41	72	60,398	2,260	33,026
Rinderpest	S.A.		M.S.L., Bangalore	9		681
	S.A.		do			46
	S.S. with T.V.	3	30	13,463	492	22
	T.V.A.V.		do			1,290
H.S.	S.A.		M.S.L., Bangalore	4	8	3,766
	S.S.		do	1	1	100
Black Quarter	S.S.		Inoculations in clean areas			1,073
Rinderpest	S.S. with T.V.		V.S., Ryti-Dn			1,0142
	T.V.A.V.		do			13,938
	Total	19	39	19,379	541	13,938
	Total Southern Circle	171	286	2,20,223	6,530	313,113,137
						2,029
						80
						29

### **Summary of results of protective interventions during the year 1995** *First: - could I*

[illegible]

169	
878	
39	
563	
2 431	15
1 096	

2. Amul-Bulda.

Powl Fox vaccine	Vaccine Alone..	do	..	..	..	..	169
	Sero Vaccine	do	..	..	..	..	878
	Vaccine	do	..	..	..	..	39
	Vaccine	.. I.V.R.I., Muk-	..	..	..	..	563
		tesar	..	..	..	..	..
	Total	..	9	11	1,083	17	32
Rinderpest	S.S. with T.V.	V.S., Hyd. Dn	1	1	..	3	146
	T.V.A.V.	do	..	..	..	..	1 518
Hemorrhagic Septicemia.	S. & V.	M S I., Banga lore	8	8	5,316	..	1 192
	S.A.	do	1	1	..	2	100
Black Quarter	Sero Baatarin	do	2	2	937	3	217
	Total	..	12	12	6 413	4	6 253

3. Mahabub-nagar.

Rinderpest	S.S. with T.V.	V.S. Hyd Dn	2	2	974	..	1 235
	S A	M S I., Banga lore	3	3	1 218	..	432
Hemorrhagic Septicemia.	S & V.	do	2	2	3 400	..	2 231
Black Quarter	S A	do	1	1	520	..	382
Anthrax	S A.	do	4	4	1 740	..	1 157
Black Quarter	S A	do	9	9	4 470	..	74
Anthrax	S A	do	1	1	85	..	..
Powl Cholera	S & V	do	1	1	1 114	..	240
	Total	..	20	20	11 081	..	5 000
							1 240

TABLE No. II.

Summary of results of preventive inoculations during the year 1946 Fadh (contd.)

Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No. of outbreaks in which inoculation was undertaken	No. of villages affected in these outbreaks	Rovine population of affected villages			No. of animals inoculated in course of outbreaks			No. animals inoculated			No. of inoculated animals which died of the disease		
					7	8	9	Hovines	Kapures	Others	Hovines	Kapures	Others	Hovines	Kapures	Others
Black Quarter	T.V.A.V.	V.S., Hyd. Dn.	..	..	..	..	..	..	..	..	4,836	..	..	..	..	..
Haemorrhagic Septicemia	S.A.	M.S.I., Bangalore.	..	..	..	..	..	..	..	..	280	..	..	..	..	..
Black Quarter	S.A.	do	..	..	..	..	..	..	..	..	482	..	..	..	..	..
Haemorrhagic Septicemia	S.A.	do	2	2	1,155	17	..	..	..	..	504	..	..	..	..	..
Foot and Mouth	S.A.	do	1	1	..	..	..	..	..	20	..	..	24	..	..	3
Total			5	5	1,155	17	..	30	6,022	..	24	..	..	..	..	3
Black Quarter	S.A.	M.S.I., Bangalore.	5	5	3,608	109	..	..	..	..	2,514	..	..	..	..	..
Haemorrhagic Septicemia	T.V.A.V.	do	..	..	..	..	..	..	..	..	1278	..	..	..	..	..
Vaccine	Vaccine	do	1	1	280	15	..	..	..	..	203	..	..	..	..	..



Statement showing the number of Animals treated and restrained at the Veterinary Hospitals and

District	No. of Veterinary Institutions	No. of Assistant Veterinary Surgeons employed	No. of In-patients treated during in the year				No. of treated in	
			Bovines	Equines	Others	Total	Bovines	Equines
1	2	3	4	5	6	7	8	9
1. Ahmednagar	8	8	365	308	..	668	9,742	4,630
2. Parbhani	3	3	151	..	..	151	6,533	2,979
Hingoli Road	1	3	677	4,427	362	5,466	4,365	2,633
3. Dhule	7	7	..	..	..	..	12,564	6,902
4. Handed	6	6	..	13	..	13	10,122	5,032
5. Khamnabad	4	4	92	81	4	147	11,451	1,837
Total	31	35	1,255	4,824	366	6,445	55,777	24,823
1. Nashik	8	8	15	5	1	21	8,420	1,645
2. Jalgaon	9	9	111	124	1	236	8,953	1,344
3. Warangal	9	9	210	160	167	537	12,365	1,500
4. Karimnagar	8	8	77	180	14	280	11,138	1,230
5. Adilabad	7	7	31	..	..	31	2,215	616
Total	41	41	444	469	183	1,107	48,091	4,935
1. General Hospital, Shindgaon	1	2	672	635	1,432	2,900	5,446	2,900
2. Pathargatti Dispensary	1	1	..	..	..	..	2,364	6,177
3. Karmangudi Dispensary	1	1	..	..	..	..	8,596	2,900
Hingoli Road	1	1	298	..	..	298	..	..
4. Mahabaleshwar	6	6	..	..	..	..	10,146	2,306
5. Osmanabad	4	4	52	60	11	123	4,158	6,137
6. Solapur	6	6	147	252	50	449	6,935	2,306
7. Dhule	6	6	182	25	8	215	9,704	4,900
8. Nashik	9	9	7	25	..	32	2,742	2,900
Total	36	36	1,250	904	1,501	3,655	46,130	24,823
Grand Total 1945-46	107	115	2,505	5,728	1,867	11,090	1,00,000	9,000
Total 1947-48	107	115	2,505	5,728	1,867	11,090	1,00,000	9,000
Total 1948-49	107	115	2,505	5,728	1,867	11,090	1,00,000	9,000

No. III.

Disbursements during the year 1948 Feet.

outpatients the year		Grand total of in- and out- patients treated during the year	Total No. of cases supplied with medicine but not brought to institutions	Castrations performed				Receipts	Expenditure
Others	Total			Bovines	Equines	Others	Total		
10	11	12	13	14	15	16	17	18	19
6,996	21,368	22,036	62	1,405	1	12	1,417	..	
2,796	13,236	13,399	23	467	2	..	469	..	
1,026	8,026	13,492	..	46	13	1	60	..	
4,126	24,594	24,594	..	2,546	5	9	2,560	..	
4,236	19,379	19,392	177	406	1	6	413	..	
3,189	16,296	16,443	528	174	1	6	181	..	
22,301	102,901	1,00,946	790	5,064	23	32	5,140	..	
2,796	12,771	12,792	..	366	4	52	412	..	
1,949	8,166	9,364	2,194	257	4	7	268	..	
2,269	17,263	17,799	1,504	950	10	29	999	..	
1,966	16,943	16,683	2,255	1,443	6	2	1,451	..	
1,129	10,999	10,991	2,099	123	..	..	123	..	
16,979	64,363	65,479	10,023	2,129	24	109	2,263	..	
16,124	19,499	22,473	..	20	2	9	27	Rs. O.S. 761 1 9	7,464 1 8
14,999	26,129	26,129	1,129	19	2	4	25	243 14 0	
12,999	26,999	25,999	199	45	..	..	45	536 15 4	
..	..	299	..	11	..	..	11	..	
2,999	16,997	16,997	2,994	199	11	8	124	..	
2,997	16,972	16,999	..	173	..	2	175	..	
2,994	16,499	16,999	999	221	3	76	299	..	
2,999	17,799	17,999	279	277	2	19	297	..	
2,999	16,999	16,999	499	413	6	81	500	..	
2,999	17,999	17,999	5,999	1,294	22	197	1,513	..	
2,999	17,999	17,999	26,912	2,997	79	299	9,914	..	
2,999	17,999	17,999	6,912	2,179	79	292	2,597	..	
2,999	17,999	17,999	..	..	..	..	..	..	



TABLE

Statement showing the number of animals treated and castrated by the Assistant

District	Number of Assistant Veterinary Sur- geons employed	Castrations performed			
		Females	Boys	Others	Total
1	2	3	4	5	6
1 Aurangabad	8	1	3,151	4	3,156
2 Parbhani	5		1,277	..	1,277
3 Bhur	7	2	4,853	113	4,966
4 Nanded	6	1	4,103	17	4,151
5 Nizamabad	4		1,327	20	1,547
Total N C ..	30	4	14,911	184	15,099
1 Medak	7	1	1,476	178	1,655
2 Nalgonda	8	3	1,498	29	1,580
3 Warangal	8	5	1,638	26	1,669
4 Karimnagar	7		2,195	23	2,218
5 Adilabad	6	..	1,404	6	1,410
Total S C	36	9	8,211	262	8,462
1 Hyderabad ..	4	.	284	21	305
2 Atraf i-Baida ..	4	6	1,108	20	1,184
3 Mahbubnagar ..	8	7	722	29	758
4 Osmanabad ..	4	..	1,047	16	1,063
5 Gulbarga ..	7	9	1,497	58	1,564
6 Bidar ..	2	..	957	2	959
7 Raichur ..	8	1	1,947	99	2,047
Total H. C. ..	37	23	7,562	245	7,809
Grand Total 1846 F. ..	103	36	30,694	691	31,411
Total 1847 F. ..	124	68	30,497	803	30,777
Total 1848 F. ..	124	122	30,499	919	31,540

Veterinary Surgeons on tour during the year 1848 *Fash*

Equines	Treated for contagious diseases			Treated for non contagious diseases			Total	Total number of Castrations performed and cases treated
	Horses	Others	Total	Horses	Others	Total		
7	8	9	10	11	12	13	14	15
5	179		181	227	1,784	288	2,299	5,610
5	154		154	192	793	91	876	2,312
	17		17	671	2,840	117	3,628	8,643
	198		198	1,416	3,438	13	4,867	9,211
8	1,410	..	1,413	22	6,394	29	6,445	9,401
18	1,958	..	1,966	2,328	15,049	568	18,145	35,210
2	3,808	1,049	4,857	99	1,300	41	1,440	7,474
	1,381	..	1,381	84	1,050	23	1,157	4,068
	5,148	491	5,639	28	1,780	304	2,112	9,420
2	3,322	..	3,322	50	2,839	374	3,263	8,805
..	2,975	52	3,027	89	1,803	22	1,916	6,853
4	16,184	1,592	17,780	350	8,774	764	9,888	36,100
6	30	80	116	6	2,298	2,672	4,976	5,397
..	146	30	166	23	825	55	903	2,203
..	986	..	986	624	1,438	2,224	4,286	6,030
..	..	..	..	385	706	51	1,092	2,155
..	557	..	557	320	1,417	72	1,809	3,930
..	78	1	79	249	1,071	34	1,354	2,387
..	718	..	718	149	3,300	3	3,452	6,212
6	2,305	101	2,612	1,706	11,055	5,111	17,872	28,314
23	20,593	1,693	22,286	4,584	34,878	6,443	45,905	99,624
24	24,813	2,072	26,885	4,798	30,727	6,516	42,041	110,933
124	28,246	246	28,492	7,347	36,311	4,204	48,362	106,227

TABLE V.

Statistics of Castrations and Treatments performed during the year 1848 F.

	NUMBERS OF ANIMALS TREATED			NUMBER OF ANIMALS CASTRATED			LIVE-STOCK POPULATION					
							BOVINES			EQUINES		
	Bovines	Equines	Others	Bovines	Equines	Others	Males	Females	Males	Fe- males	Males	Fe- males
<del>Manure</del> <del>Spent</del>												
Unspayed ..	12,070	5,165	7,284	4,556	2	13	439,972	368,724	29,746		314,450	
Northern ..	7,431	4,176	2,817	1,764	2	..	322,409	317,424	18,032		191,750	
Manure Stud ..	5,043	7,060	1,890	46	13	1	53,090	53,668	2,420		20,422	
Male ..	16,431	7,373	4,375	7,419	7	122	311,661	298,525	23,519		232,704	
Female ..	13,743	6,451	4,248	4,509	..	53	324,697	371,140	15,182		219,660	
Unspayed ..	13,917	1,768	8,331	1,701	1	26	224,229	241,423	5,125		386,225	
Total Northern Cattle ..	74,034	32,188	28,235	19,995	27	217	1,678,058	1,650,904	94,044		1,368,211	
Manure ..	13,043	1,731	8,797	1,832	5	280	327,652	325,547	9,469		597,373	
Manure ..	8,495	1,454	1,978	1,755	7	36	568,837	639,840	10,788		1,507,736	
Manure ..	30,503	1,697	3,331	2,588	15	65	496,774	618,965	4,770		746,631	
Manure ..	17,378	1,480	2,354	3,938	6	25	541,519	565,086	3,112		968,772	
Manure ..	14,036	7,05	1,308	1,637	..	6	381,989	447,239	3,438		335,982	
Total Northern Cattle ..	73,443	7,087	12,558	11,850	38	362	2,316,717	2,596,677	31,577		4,156,444	

1. Hyderabad ..	23,068	14,302	41,781	806	10	84	10,904	21,951	8,877	17,214
2. Actol-4-Balda ..	971	28	75	1,108	6	20	298,191	282,181	14,088	572,141
3. Minsaytingar Cattle Breeding ..	308	..	..	11	..	..	..	..	..	..
4. Mahabubnagar ..	12,570	2,728	5,011	827	18	37	488,728	481,596	19,602	1,183,518
5. Osmanabad ..	4,916	8,432	2,789	1,220	..	18	299,795	265,122	18,807	228,759
6. Gulbarga ..	9,056	6,156	4,086	1,718	12	138	504,140	480,172	88,982	754,705
7. Bidar ..	11,080	4,961	8,355	1,284	2	20	419,110	526,314	25,244	100,906
8. Raichur ..	12,762	2,644	4,659	2,360	7	180	383,228	830,292	14,672	675,327
Total ..	74,241	80,506	61,656	8,846	55	442	2,854,086	2,887,578	183,267	3,788,570
Grand Total for 1848 F.	221,718	78,781	97,449	40,191	115	1,021	6,348,865	6,650,159	258,888	9,318,225
Grand Total for 1847 F.	214,824	68,534	91,714	38,582	188	564	6,348,865	6,650,159	258,888	9,318,225
Grand Total for 1846 F.	201,888	70,466	85,181	38,490	122	919	6,348,865	6,650,159	258,888	9,318,225



S. Medak	2	..	..	..	..	2	..	201	201-200	2	12
6. Warangal ..	2	..	..	..	..	2	..	..	150	5	3
7. Karimnagar ..	..	..	..	..	..	2	..	..	..	..	..
8. Adilabad ..	1	..	1	..	..	2	..	..	..	..	..
9. Hyderabad	2	..	..	..	..	2	..	114-1 6	114	75	1
10. Cattle Breeding Farm Himayetsagar	6	..	..	..	..	5	..	747-1 9	747-1	94	1
11. Mahbubnagar	8	..	..	..	..	7	..	..	..	..	..
12. Bidar	3	..	1	..	..	4	..	541 155	541	155	124

other as  
wrongly  
included  
as  
supplied  
a tiger

Total for 1848 F	50	..	23	..	..	..	..	14	65	2	67
Total for 1847 F	39	2	35	..	..	..	..	14	56	2	58
Total for 1846 F	25	..	8	..	..	..	..	..	43	..	43

TABLE VI B.

Statement showing numbers of approved in the buff cows at stud during the year 1946 F

Name of District	Property of Government	Property of Local Fund	NUMBER OF APPROVED BULLS AT STUD										Total	Population of the buffaloes in the year according to the census	Required to be maintained at one per hundred milch-buffaloes	Short of requirements	Number of cows covered during the year	Remarks		
			Number	Average price paid per head	OBTAINED DURING THE YEAR		(CASH PAID DURING THE YEAR)	BALANCE IN HAND ON 30th April 1946 F	Local Bodies	Government	Total	Local Bodies							Government	Total
					Government	Local Bodies														
1. Cattle Breeding Farm, Himayatnagar ..	1	..	..	..	..	..	..	1	1	..	1	..	Rs. 171-5-7	Rs. 174-5-7	1	..	5			
Total for 1946 F.	1	..	..	..	..	..	..	1	1	..	1	..	Rs. 174-5-7	Rs. 174-5-7	1	..	5			
Total for 1947 F.	1	..	..	..	..	..	..	1	1	..	1	..	Rs. 114-1-0	Rs. 114-1-0	1	..	3			
Total for 1948 F.	1	..	..	..	..	..	..	1	1	..	1	..	Rs. 112-2-7	Rs. 112-2-7	1	..	4			

TABLE VI-C.

Statement showing number of approved Horse Stallions at Stud during the year 1345 F.

District	No. on 30th Aban 1847 F.		Obtained during the year		Casualties during the year		Balance on 30th Aban 48 F.		No. of Mares Covered		Population of mares	
	Horses		Horses		Horses		Horses		Horses		Donkeys	
	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies
Stud Farm Hingoli	10		1		5		9		16		1	
Total for 1848 F. 10 ..	4		5		5		9		16		1	
*Total for 1347 F. 12	5		7		7		10		21		4	
*Total for 1346 F. 13	1		5		5		10		2		3	



TABLE

*Abstract of particulars regarding Cattle Fairs*

Name of District	No. of cattle fairs and shows held	TOTAL NUMBER OF STOCK PRESENT							AVERAGE PRICE OF ANIMALS SOLD				
		Bulls	Bullocks	Cows	Young Stock	Buffaloes	Camels	Others	Bulls	Bullock	Cows	Buffaloes	Camels
1 Aurangabad	1	1	4	3	3	2	.	4	..	..	..	..	..
2 Bhir	1	50	940	100	..	120	10	379	..	..	..	..	..
3 Nizamabad	1	52	180	19	23	7	..	4	Rs.	Rs.	Rs.	Rs.	Rs.
4 Nanded	1	942	150	168	55	107	600	1,115	90	80	45	60	150
5 Medak	1	8	98	7	22	12	..	26	..	..	..	..	..
6 Warangal	2	14	72	7	12	4	..	..	..	..	..	..	..
7 Karimnagar	1	12	170	10	24	4	..	..	..	..	..	..	..
8 Adilabad	1	.	80	..	8	16	..	..	..	..	..	..	..
9 Hyderabad	1	.	61	6	55	59	8	84	..	..	..	..	..
10 Mahbubnagar	4	2,451	6,328	531	988	1860	..	60	70 to 90	100 to 150	25 to 50	35 to 60	..
11. Bidar	1	129	50	122	36	3	7	..	..	..	..	..	..
12. Gulbarga	1	49	206	1	23	7	..	..	..	..	..	..	..
13. Raichur	..	6	971	1,453	48	153	57	..	Rs. 85 to 100	Rs. 29 to 100	Rs. 31 to 71	..	..
14. Nalgonda	..	1	34	178	23	32	..	..	..	..	..	..	..
Total	..	23	4,166	10,328	1,676	1,429	2,220	925	1,700	..	..	..	..

*Prizes held during the year 1896-97*

Amount realized in fees	Total No. of animals that competed for prizes	PRIZE MONEY PROVIDED					Number of Medals awarded
		From Provincial Funds	From Local Funds	From other sources	Total	Amount actually awarded	
Rs.		Rs.	Rs.	Rs.	Rs.	R.	
..	3						8 Silver bangles of 40 tolas
..	22						21 Silver bangles of 19 tolas
..	150						17 Silver bangles of 34 tolas
400	372	1,121 0 0			1,121 0 0	1,121 0 0	24 Silver bangles of 17½ tolas and 5 Silver cups
..	163	30 0 0			30 0 0	30 0 0	17 Silver bangles of 11½ tolas
..	113	..			..		19 Silver bangles of 21 tolas
..	220	..			..		22 Silver bangles of 210 tolas
..	99	..			..		10 Silver bangles of 45 tolas
..	173	..	351		351 0 0	351 0 0	11 Silver bangles of 100 tolas and 6 Silver cups from other sources
..	812	..	..	..	..	..	63 Silver bangles of 325 tolas
..	347						
..	678	678 0 0	..	..	678 0 0	678 0 0	31 Silver bangles of 370 tolas
..	287	..	..	..	..	..	11 Silver bangles of 105 tolas and 72 tolas from Urus Funds
..	859	80 0 0	..	..	80 0 0	80 0 0	31 Silver bangles of 350 tolas and do of 371½ tolas from other sources
..	277	..	..	..	..	..	22 Silver bangles of 210 tolas
..	2,797	1,854 0 0	281	..	2,205 0 0	2,205 0 0	336 Silver bangles of 3,015 tolas, 5 Silver medals from Provincial Funds, 6 Silver cups, and Silver bangles of 648½ tolas from other sources

**TABLE**  
*Statistics of Live-stock slaughtered in*

Name of District	NUMBER OF RECOGNISED SLAUGHTER- HOUSES FOR								No. of un- re- cog- nised slaugh- ter houses
	CATTLE AND BULFALOES		SHEEP AND GOATS		PIGS		OTHERS		
	Govt.	Local Bodies	Govt.	Local Bodies	Govt.	Local Bodies	Govt.	Local Bodies	
1 Aurangabad	5	5	6	7	..	..	..	2	21
2 Parbhani	1	1	1	1	..	..	..	..	4
3 Nizamabad	..	1	..	1	..	..	..	..	4
4 Nanded	..	1	..	1	..	..	..	..	5
5 Nalgonda	..	..	2	..	..	..	..	..	18
6 Warangal	..	1	7	2	..	..	..	1	9
7 Bidar	..	2	2	5	..	..	..	..	..
8 Raichur	4	2	7	5	..	..	..	..	9
9 Bellary	..	..	..	..	..	..	..	..	14
10 Gulbarga	..	5	..	4	..	..	..	..	1
11 Osmanabad	..	1	..	1	..	..	..	..	..
12 Bidar	2	8	2	6	..	..	..	..	..
<b>Total</b>	<b>12</b>	<b>27</b>	<b>27</b>	<b>33</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>8</b>	<b>85</b>

re opened slaughter houses during the year 1918 &

NUMBER OF ANIMALS FACILITATED						SLAUGHTER PER PER HEAD					
Cow	Bulls and bullocks	Catle	Buffaloe	Sheep	Cow	Pig	Other animal	Cattle	Haffare	Sheep and goats	Pig
4,763	3,313	996	50	6,968	11,306						
129	113	25	.	517	473						
2,160	1,430			7,290	3,690			0 1 0		0 1 6	
1,699	2,200	214		5,712	2,173			0 2 0		0 1 0	
298	547	12		10,831	10,275			0 1 0 0 1 0 0 0 6			
3,477	2,046	994	1	27,317	16,066	8		0 1 0		0 0 6	
9,856	4,175	1,317		257,475	141,638	5		0 1 0		0 0 6	
925	272	48	1,313	5,785	5,822			0 1 0 0 1 0 0 0 6			
6,765	2,575	761	50	9,205	1,026						
5,448	4,556	960		10,281	15,691			0 1 0		P 6 A 1	
	6,075			8,345				0 1 2 0 0 1 2 0			.
3,915	2,478	1,425	332	3,392	4,252			0 1 0		6	.
..	..	..				..					

Statement of the Cost of the Civil Veterinary Department during the year 1848 F.

Sl No	Major Head	Government	Local Fund	Total
		3	4	5
		Rs. As. Ps.	Rs. As. Ps.	Rs. As. Ps.
1	A Direction	51,531-10-8 1/6	..	51,531-10-8 1/6
2	B Staff Expenses	1,26,617- 2-4	.	1,26,617- 2-4
3	B Reward For Breeding	3,466- 4-3		3,466- 4-3
4	C Cattle Breeding	47,754-4-11 5/6	.	47,754- 4-11 5/6
5	D (1) Veterinary	2,63,064-10-7 4/6	..	2,63,064-10-7 4/6
6	D (2) Local Fund Salaries	..	10,208-6-2	10,208-6 -2
7	E Medical Stores	30,445-11-8 2/6	..	30,445-11-8 2/6
8	F Propagand	60- 6-6	..	60- 6-6
	Total	5,22,940-3-1	10,208-6-2	5,33,148-9-3





TABLE No. XII

*Return of Government Horse and Pony Stallions for 1848 Fash*

Details		HORSE AND PONY STALLIONS					Total
		Ameri- can thorough bred	Austra- lian thorough bred	Arab	Kathia- wari	Coun- try bred	
1		2	3	4	5	6	7
<hr/>							
Balance on 1st Azur 1848 Fash.	..	2		5	1	22	30
Increase	Imported						
	Purchased	1					1
	Issued from Stud.					2	2
	Total	3		5	1	24	32
Decrease	Died	..	.				
	Destroyed.	1		1			2
	Sold	..					..
	Transferred	..	.	.		.	..
	Total	1	.	1	.		2
Balance on 30th Aban 1848 F.	..	2	.	4	1	24	30
Posted in district	..	..	..	3		16	19
Stud, Hingoli	.	2	.	1		8	11
Do Teasers	..	..	..	..	+1	..	+1
Do Resting	..	..	..	..	.	..	..
Do Sick	..	..	..	..	..	..	..
Total	..	2	..	4	+1	24	30



TABLE No XIII

Stables / Horse and Pony Stallions for 1948 Fash

S No	Stallion Stand	Horse at Stall	Pony at Stall	No of Stallions on register	No of Stallions at Stall	No of mares covered	AVERAGE No. OF MARES PER STALLION		Remarks
							1947 Fash	1948 Fash	
1	2	3	4	5	6	7	8	9	10
1	Aurangabad	B I B Couplet							Destroyed on 31-10-48
		1 B A Herald		2	2	31	14	17	
		2 Ch I B Siren							Posted on 25-10-48
2	Pattan	1 B B Gold Dust		1	1	18	22	18	
3	Vijapur	4 B I B Gay monk		1	1	32	43	32	
4	Parbhani	5 Ch I B Council		1	1	18	40	18	
5	Basmath nagar	6 Ch I B Python		1	1	28	25	28	Sent to Hingoli on 26-10-48
		B I B Avoir Dupus							Posted here on on 24-10-48
6	Nanded	7 G A Lenlow		1	1	27	18	27	
7	Biloli	8 I B Husaga		1	1	21	27	21	
8	Beed	9 B I B Howitzer		2	2	57	26.5	28.5	
		10 B I B Picara							
9	Mominabad	11 G I B. Sunny- boy (Arab)		2	2	36	24.5	18	Destroyed on 30-10-48
		G A. Solidity ..							Posted here on 25-10-48
		12 D B I B Apollo							
10	Ashti	13 B I B. Almacel..		1	1	18	16	18	
11	Patoda	14 Ch. I.B. French- pie		2	2	37	24.5	18.5	
		15 G.I B. Humble- pie ..							
12	Gulbarga	16 G.I.B. Bayonet ..		1	1	24	9	24	
13	Wider	17 B.I.B. Alhwan ..		1	1	33	41	32	
14	Udgir	18 B.I.B. Nauman ..		2	2	30	26	15	Posted here 5-7-48
		19 Ch. I.B. Counter							

TABLE No. XIII

Service of Horse and Pony Stallions for 1948-49

S No	Stallion Stand	S No	Horse or Pony at Stud	and at Stud	and at Stud	and at Stud	AVERAGE S F MARKS PER STALLION		REMARKS	
							14 F	15 F		
1	2	3	4	5	6	7	8	9	10	
15	Ahmedpur	20	Ch I B As um	2	2	1	23	2		
		21	Br I B Alci							
16	Hingoli	22	B T B. Nothou							
		23	G A Humorous							
		24	Br I B Ganepu							
		25	B I B Wedding day							
		26	B I B Avardu pota							
		27	G.I.B Funnyboy	10	5	07	21	19	4	
		28	Br I B Lovedale							
		29	Bright Prospect							
		30	Lord Chancellor Ch I B Sireu						Drafted as stallions	
			D B I B Apollo							
		31	Hareem Keaar						Teacher	
Total		31		31	26	554	24	2	21	3

TABLE No. XIV.

*Statement showing average cost of upkeep of Stallions for 1848 Fasli.*

Where posted	HORSES		Remarks
	Year under report	Previous year	
1	2	3	4
	Rs. a. p.	Rs. a. p.	
In Districts	400 9 5	402 12 4	
At Stud	242 6 0	219 15 8	

TABLE No. XV.—A.

*Return of Horse and Cattle Stock on the Hingoli Stud Farm for the year 1848 Fashi.*

Details	Horses		Cattle		Total
	Colts	Fillies	Males	Females	
1	2	3	4	5	6
Balance on 1st Azar 1848 F.	48	50	69	44	220
Increase {	By birth ..	9	12	23	61
	By purchase ..	..	..	..	..
	By transfer ..	..	1	..	..
Total ..	57	71	92	61	281
Decrease {	Died ..	..	3	10	15
	Destroyed ..	..	..	..	..
	Sold ..	15	12	17	49
	Transferred ..	2	4	24	35
Total ..	17	19	51	12	99
Balance on 30th Aban 1848 F.	40	52	41	49	182
Value in O. S. Rs.	39,328-8-0	33,516	6,445	7,875	77,162-8-0

TABLE XV-B.

*Return of Cattle Stock on the Himmatnagar Cattle Breeding and Dairy Farm for 1948 F.*

Details	KRISHNA VALLEY		MALVI		MURRAH BUFFALOES		Bul- locks	Total
	Male	Female	Male	Female	Male	Female		
1	2	3	4	5	6	7	8	9
Balance on 1st April 1948 F.	84	125	47	106	9	16	21	408
In- crease { By birth	17	8	10	23	4	3	..	65
{ By purchase	..	..	..	..	..	..	..	..
{ By transfer	..	6	..	9	..	3	10	28
Total	101	139	57	138	13	22	31	501
De- crease { Died	1	1	2	6	..	..	..	10
{ Destroyed	..	..	..	..	..	..	..	..
{ Sold	49	59	13	32	..	..	7	160
{ Transferred	8	6	2	9	..	3	..	28
Total	58	66	17	47	..	3	7	198
Balance on 30th April 1948 F.	43	73	40	91	13	19	24	303
Value in O.S. Rs.	8,430		7,964		2,300		890	19,664

TABLE No. XVI-A.

*Abstract showing main results of the Hingoli Stud Farm.*

<i>Receipts paid into the Treasury.</i>		Rs. as. ps.
1. Sale of animals .. .. .	.. .. .	4,993 11 8
2. Sale of Farm produce .. .. .	.. .. .	4,289 2 7
3. Other Heads .. .. .	.. .. .	1,907 12 8
Total .. .. .		11,190 10 11
<i>Expenditure.</i>		
4. Salaries and allowances of Officers .. .. .	}	25,745 1 6
5. Do do Subordinates .. .. .		
6. Cultivation expenses .. .. .	.. .. .	4,133 2 1
7. Feed of animals including reserve fodder .. .. .	.. .. .	49,157 10 4
8. Purchase of animals .. .. .	.. .. .	.. .. .
9. Other Heads .. .. .	.. .. .	13,402 14 1
Total .. .. .		92,438 12 0
<i>Valuation of animals issued on book credit.</i>		
10. Stallions and Brood mares .. .. .	.. .. .	11,000 0 0
11. Bulls and Cows .. .. .	.. .. .	7,250 0 0
<i>Valuation of animals, grain, fodder, etc., on hand at the end of the year.</i>		
12. Valuation of horse and cattle stock .. .. .	.. .. .	77,162 8 0
13. Do grain .. .. .	.. .. .	1,831 1 3
14. Do fodder hay .. .. .	.. .. .	2,277 5 6
Total .. .. .		81,271 2 9

TABLE No. XVI-B.

*Abstract showing main results of the Himajetsagar Cattle Breeding Farm and Dairy.*

<i>Receipts paid into the Treasury</i>		Rs.	as.	ps.
1. Sale of animals	.	1,801	4	0
2. Sale of Farm produce	.	14	9	6
3. Other heads	..	4,041	15	0
Total		8,857	12	6
<i>Expenditure</i>				
4. Salaries and allowances of Officers	.	4,605	0	0
5. Salaries and allowances of Subordinates	.	8,693	9	3
6. Cultivation expenses	.	6,157	10	8
7. Feed of animals including reserve fodder	.	12,956	12	3
8. Purchase of animals	..	..		
9. Reserve fodder	.	2,885	0	0
10. Other heads	..	9,929	15	6
Total		43,177	15	8
<i>Valuation of animals issued on book-credit.</i>				
11. Bulls and cows	..	250	0	0
<i>Valuation of animals, grain, fodder, etc., on hand at the end of the year.</i>				
12. Valuation of cattle stock	..	19,663	0	0
13. Valuation of grain	..	230	3	9
14. Valuation of fodder	..	271	18	6
Valuation of coal, lubricating oil, etc.	..	801	1	9
Cost of silage of 207,191 lbs. at the rate of 1,000 lbs. per rupee	..	2,071	14	6
Total		22,935	1	6





APPENDIX  
MICROSCOPIC EXAMINATIONS

2,203 Specimens were examined during the

PROTOZOAN DISEASES														BACTERIAL									
Number examined	Trypanosomiasis					Piroplasmiasis								Fowl spirochaetosis	Microfilaria in blood	Haemorrhagic Septicæmia	Anthrax	Fowl cholera	Black Quarter	Tuberculosis	John's disease	Vibrio septique	Bacteriæmia
	Equine	Bovine	Canine	Caprine	T. theileri	E. digenbana	T. mutans	P. canis	P. gibsoni	Rutalia equi	P. ouis	T. annulata											
508	28	5	2	1					341				15	3	32	31	72	9	4	4	3	1	
31	6	1	..	1	7	47	8	19	4	2	2	4	2	16	18	22	4	..	..	3	1		

No. I.

DURING THE YEAR 1948 PASLI.

year of which 556 were found positive and are summarized below.

DISEASES			Skin Scrapings			FACES EXAMINATION											Total
Strangles	B. subtilis	Pyogenic organisms	Sarcophag. aethiops	Sarcoph. minor	Sarcoph. sp.	Female x fol. denturum	Nasal schistosomiasis (Nematostomus)	Albumin in urine	Ova of liver fluke	Ova of strangles	Ova of Archylostrongylus	Ova of Paramphistomes	Ova of Tricostema	Ova of schistosomes	Ova of Gastrotrichous	Cercaria	Paratuberculosis
1	323		16			9	3	973				522					2,302
1	7	17	9	1	1	1	3	3	11	61	66	11	13	1	1	6	74
																	508

## APPENDIX No. II.

*Parasitological specimens collected and preserved during the year 1348 Fasli.*

Specimen	Quantity	Host	Habitants	LOCALITY	
				Village	District
ENDO PARASITES					
Nematodes.					
Haemonchus contortus ..	1	Sheep	Abomasum	Marekal	Mahbubnagar.
Ascaris equi ..	1	Pony	Intestine	Aurangabad	Aurangabad
Filaria haemorrhagica ..	1	Bullock	Wound	Kishtanpur	Asifabad
Monostomum digitatus ..	1	Calf	Abomasum	Sitarampet	Hyderabad
Oesophagostomum columbianum.	2	Sheep	Intestines	Marekal	Mahbubnagar.
				Pattancheru	Medak
Setaria labiato-papillosa ..	1	Bullock	Peritoneal cavity	Lashmipalli	Nalgonda
Spirocerca sanguinalanta ..	2	Dog	Connective tissue	Narayanguda	Hyderabad
				Osmania	
				Hospital.	Hyderabad
Toxascaris canis ..	1	Dog	Intestine	Aurangabad	Aurangabad
Tricocephalus ovis ..	1	Goat	Intestine	Pattancheru	Medak
Cestodes.					
Avitellina centripunctata ..	1	Goat	Intestine	Pattancheru	Medak
Cysticercus tenuicollis ..	1	Goat	Peritoneal cavity	Pattancheru	Medak
Dipylidium caninum ..	2	Dog	Intestines	Aurangabad	Aurangabad
Hydatid cysts ..	2	Bullock	Lung and liver	Pattancheru	Medak
Rallitina (sp.) ..	1	Fowl	Intestine	Aurangabad	Aurangabad
Trematodes.					
Cercaria ..	1	Tank	..	Lashmipalli	Nalgonda
Ova of Schistosomanasalis ..	2	Bullock	Nose	Nirmal	Asifabad
				Narayanguda	Hyderabad
Paramphistoma cervi ..	3	Goat	Rumen	Pattancheru	Medak
				Lashmipalli	Nalgonda
Schistosoma indicum ..	1	Bullock	Portal vein	Lashmipalli	Nalgonda
Schistosoma spindalis ..	1	Bullock	Portal vein	Lashmipalli	Nalgonda
				Lashmipalli	Nalgonda
	1	Bullock	Body	Asifabad	Asifabad

Two specimens of *Schistosoma* were collected and preserved during





